



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

PGT Industries
1070 Technology Drive
Nokomis, FL 34275

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: 2" x Heavy Wall - Aluminum Tube Clipped Mullion

APPROVAL DOCUMENT: Drawing No. 6623, titled "2" Heavy Wall Mullion", sheets 1 through 5 of 5, dated 04/28/00, with revision "A" dated 05/03/04, prepared by manufacturer, signed and sealed by Robert L. Clark, P.E., bearing the Miami-Dade County Product Control Revision Stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 02-0701.10 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No 04-0528.06
Expiration Date: June 28, 2006
Approval Date: July 15, 2004
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

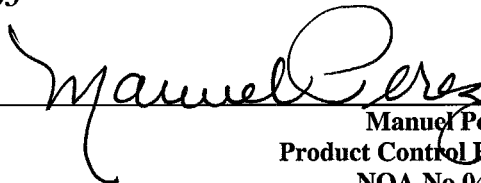
1. Manufacturer's die drawings and sections.
2. Drawing No **6623**, titled "2" Heavy Wall Mullion", Sheets 1 through 5 of 5, dated 04/28/00, with revision "A" on 05/03/04, prepared by manufacturer, signed and sealed by Robert L. Clark, P.E.

B. TESTS

1. Test reports on 1) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94
2) Large Missile Impact Test, FBC, TAS 201-94
3) Cyclic Loading Test, per FBC, TAS 203-94
along with installation diagram of a pair of fixed alum. windows (OO configuration) 60" x 54" mullied together with a 1x 2 x std. wall mullion, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2902**, dated 01/05/01, signed and sealed by Antonio Acevedo, P.E.
"Submitted under NOA # 01-0323.03"
2. Test reports on 1) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94
2) Large Missile Impact Test, FBC, TAS 201-94
3) Cyclic Loading Test, per FBC, TAS 203-94
along with installation diagram of a pair of fixed alum. windows (OO configuration) 80" x 76" mullied together with a 1x 4 x std. wall mullion, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2903**, dated 01/05/01, signed and sealed by Antonio Acevedo, P.E.
"Submitted under NOA # 01-0323.03"
3. Test reports on 1) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94
2) Large Missile Impact Test, FBC, TAS 201-94
3) Cyclic Loading Test, per FBC, TAS 203-94
along with installation diagram of a pair of fixed alum. windows with a transom lite (O/OO configuration) mullied together with a 1x 2 x ¾" wall vertical mullion and a 2 x 6" x 1/4" wall horizontal mullion, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2975**, dated 01/23/01, signed and sealed by Antonio Acevedo, P.E.
"Submitted under NOA # 01-0323.03"

C. CALCULATIONS

1. Engineering Structural & Anchor Calculations, prepared by manufacturer, dated 08/20/00, revised on 5/24/01, signed and sealed by Robert L. Clark, P.E.
"Submitted under NOA # 01-0323.03"



Manuel Perez, P.E.

Product Control Examiner

NOA No 04-0528.06

Expiration Date: June 28, 2006

Approval Date: July 15, 2004

PGT Industries

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D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

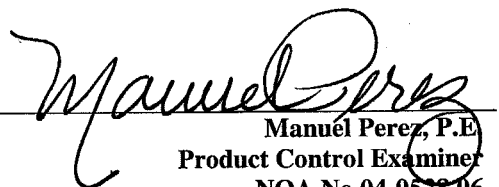
1. None.

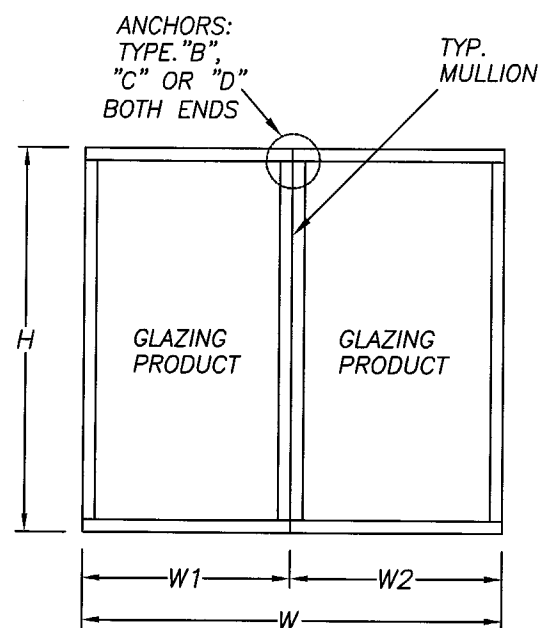
F. STATEMENTS

1. Statement letter of conformance, dated March 16, 2001, signed and sealed by Robert L. Clark, P.E.
"Submitted under NOA # 01-0323.03"
2. Statement letter of no financial interest, dated March 16, 2001, signed and sealed by Robert L. Clark, P.E.
"Submitted under NOA # 01-0323.03"
3. Laboratory compliance letter for Test Reports No. FTL-2902, FTL-2903 and FTL-2975, issued by Fenestration Testing Laboratory, Inc., dated January 30, 2001, signed and sealed by Antonio Acevedo, P.E.
"Submitted under NOA # 01-0323.03"

G. OTHER

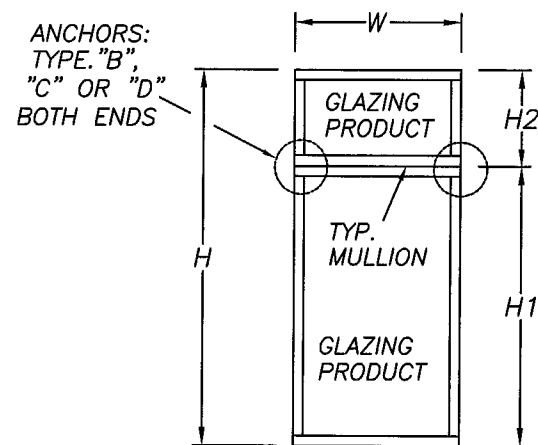
1. Notice of Acceptance No. **02-0701.10**, issued to PGT Industries for their 2" x Heavy Wall-Aluminum Tube Clipped Mullion, approved on 07/12/2002 and expiring on 06/28/06.
2. Letter from consultant stating that the product is in compliance with the Florida Building Code (FBC).


Manuel Perez, P.E.
Product Control Examiner
NOA No 04-0528.06
Expiration Date: June 28, 2006
Approval Date: July 15, 2004



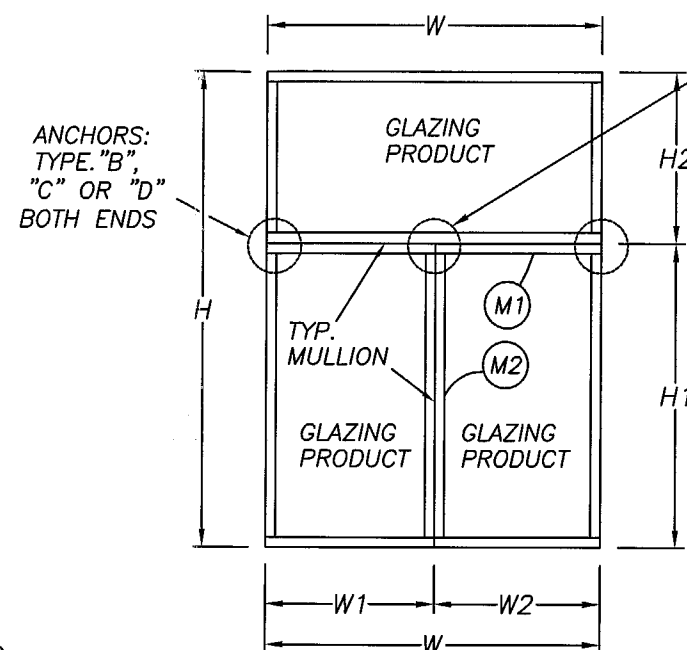
$W = W1 + W2$
(2) WINDOWS MULLED TOGETHER

FOR DETERMINING MAX ALLOWABLE
DESIGN PRESSURE SEE TABLES
ON PAGE 5 OF 5
MAX OPENING = W OR $W1 + W2$
MULL LENGTH = H



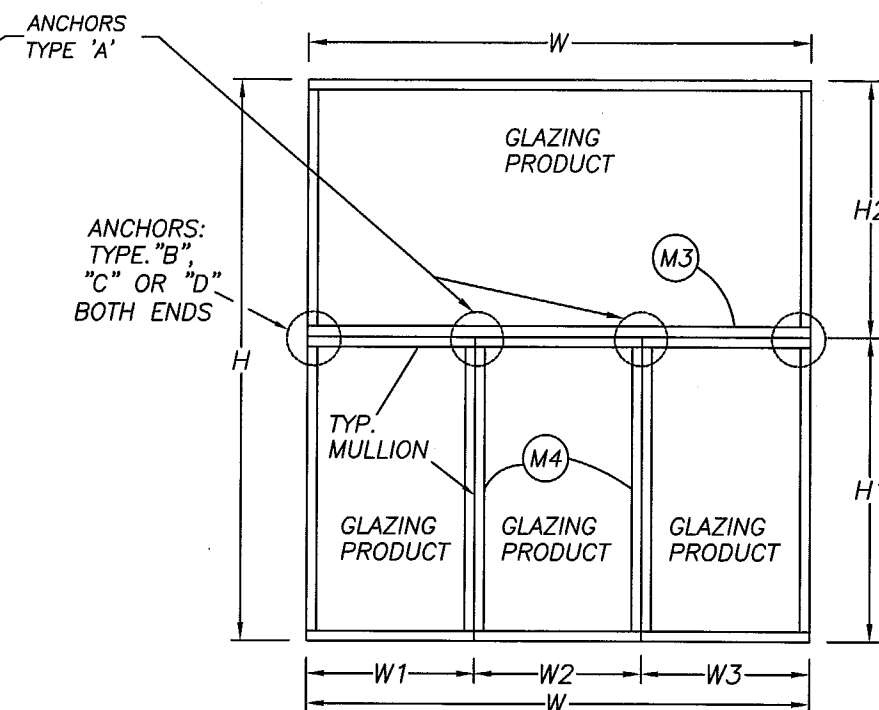
$H = H1 + H2$
(1) WINDOW MULLED
W/ONE ABOVE

FOR DETERMINING MAX ALLOWABLE
DESIGN PRESSURE SEE TABLES
ON PAGE 5 OF 5
MAX OPENING = H OR $H1 + H2$
MULL LENGTH = W



$W = W1 + W2$
 $H = H1 + H2$
(2) WINDOWS MULLED
W/ONE ABOVE

FOR DETERMINING MAX ALLOWABLE
DESIGN PRESSURE SEE TABLES
ON PAGE 5 OF 5
M1) MAX OPENING = H OR $H1 + H2$
MULL LENGTH = W OR $W1 + W2$
M2) MAX OPENING = W OR $W1 + W2$
MULL LENGTH = $H1$



$W = W1 + W2 + W3$
 $H = H1 + H2$
MULTIPLE WINDOWS MULLED
W/ONE ABOVE

FOR DETERMINING MAX ALLOWABLE
DESIGN PRESSURE SEE TABLES
ON PAGE 5 OF 5
M3) MAX OPENING = H OR $H1 + H2$
MULL LENGTH = W OR $W1 + W2 + W3$
M4) MAX OPENING = $W1 + W2$ OR $W2 + W3$
MULL LENGTH = $H1$

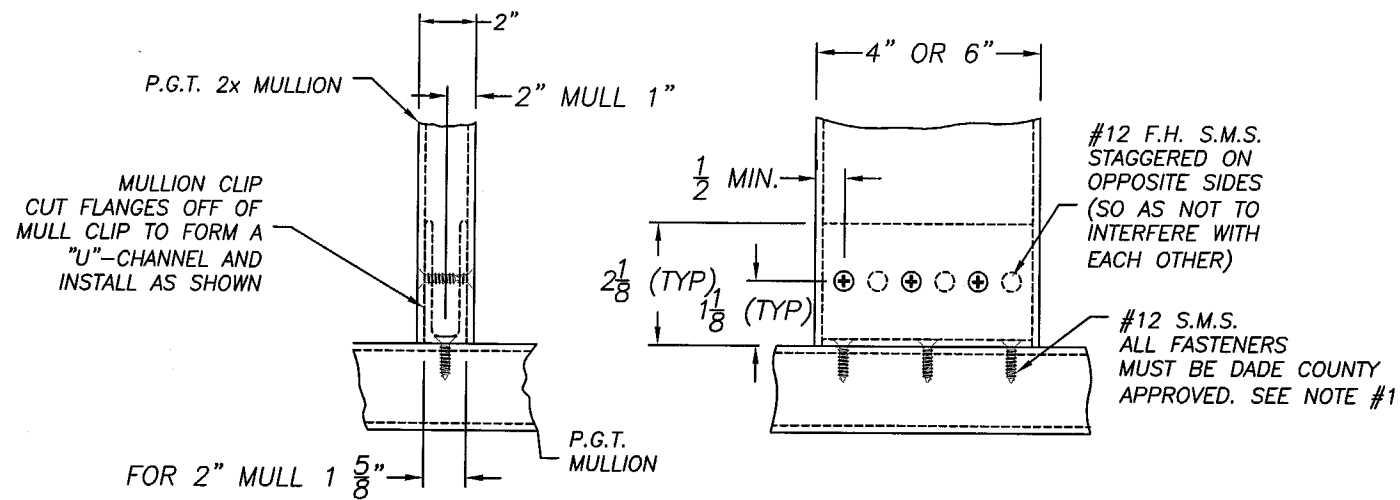
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 04-0528.06
Expiration Date, June 28, 2006
By *Manuel Perez*
Miami Dade Product Control
Division

NOTES:

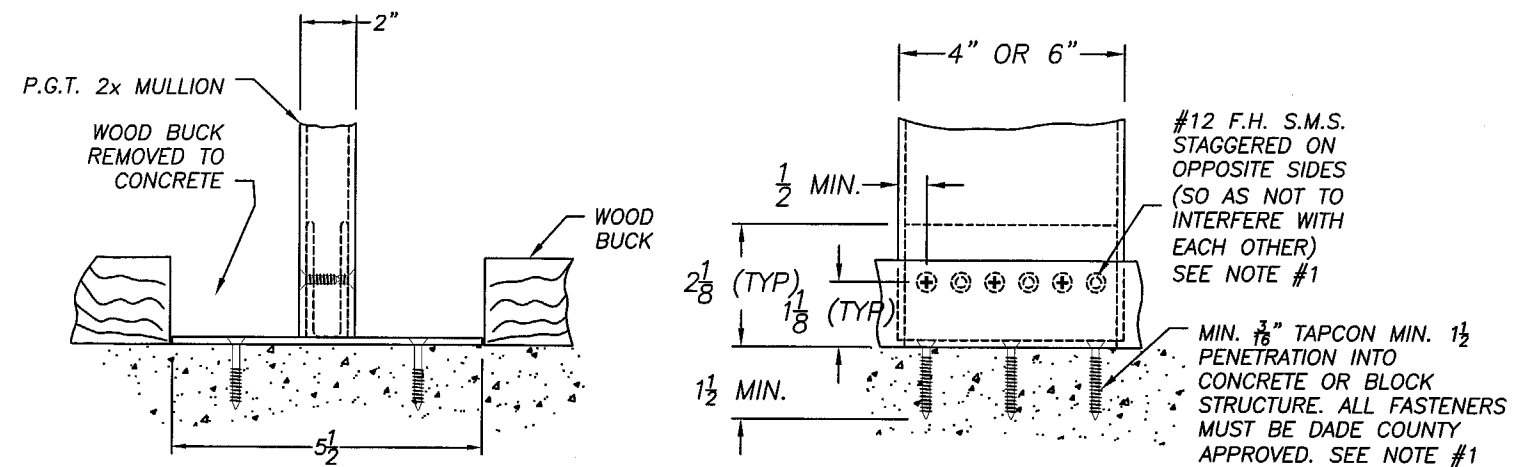
1. FOR ANCHORAGE TYPE, QUANTITY AND LOCATION
REFER TO SHEETS 2, 3 AND 5
2. WINDOWS MAY BE MULLED TOGETHER, TO A MAX. OF 7 UNITS
3. MULLIONS ARE APPROVED FOR IMPACT & NON-IMPACT
4. REFERENCE TEST REPORT FTL-2902, 2903 AND 2975

R. L. Clark
7/30/04
Robert L. Clark, P.E.
PE #39712
Structural

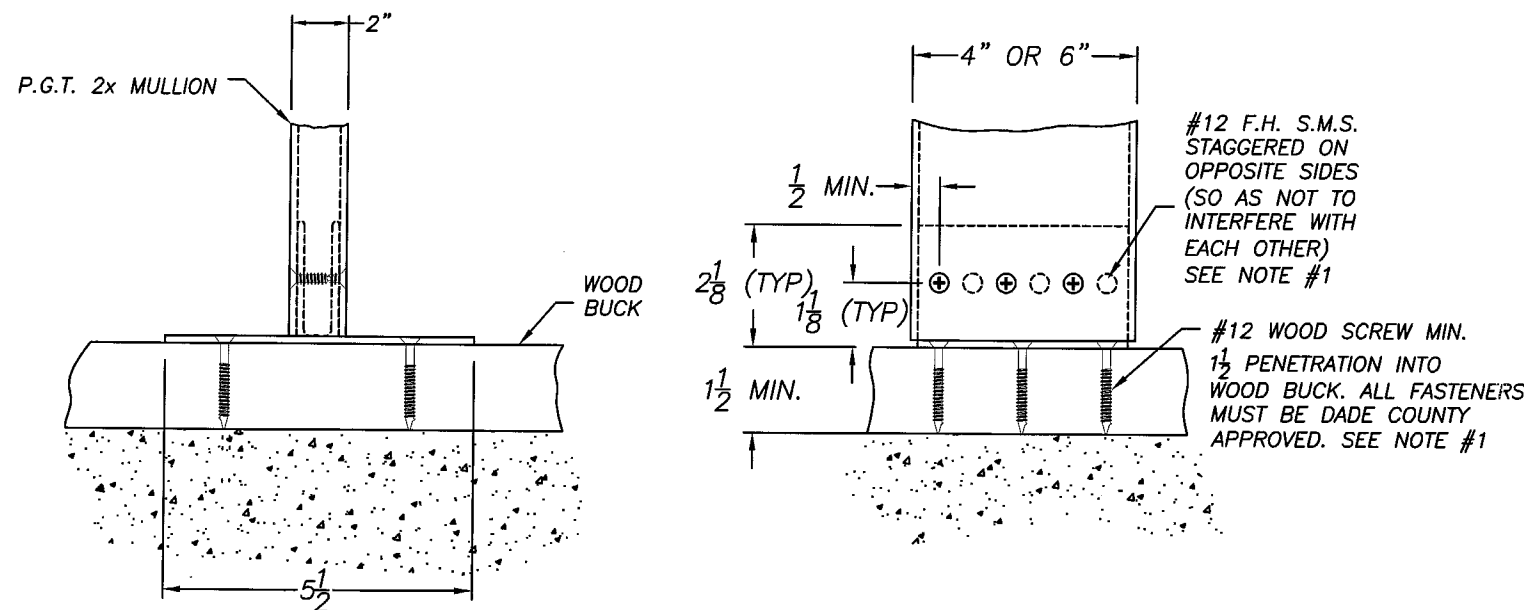
| | | | | | | | |
|---|--|--|--------------------------------|------------------------|--------------|------------------|----------------------------------|
| TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS | | | | | | | |
| | | Revsd By: F.K. Date: 5/3/04 Chkd By: P.J.P. Date: 4/28/00 | Revisions: A - ADD NOTATION | | | | |
| Description: 2" HEAVY WALL MULLION ARRANGEMENT DETAIL | | | | | | | |
| 1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 | | P.O. BOX 1529 NOKOMIS, FL 34274 | | Series/Model: MULLS | Scale: 1x | Sheet: 1 of 5 | Drawing No. 6623 Rev: A |



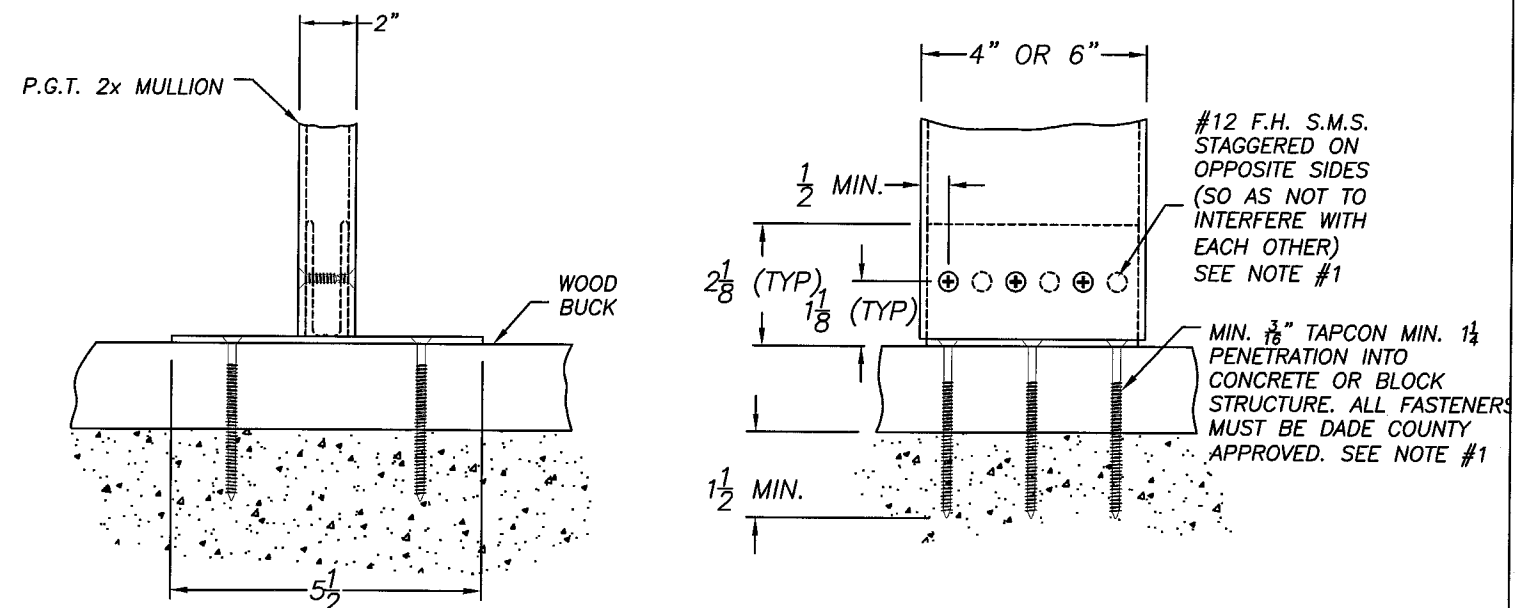
TYPICAL MULLION TO MULLION INSTALLATION TYPE "A".



TYPICAL MULLION TO STRUCTURE WITH WOOD BUCK REMOVED FROM CONC. TYPE "C".



TYPICAL MULLION TO STRUCTURE WITH WOOD BUCK TYPE "B".



TYPICAL MULLION TO STRUCTURE WITH WOOD BUCK AND CONC. TYPE "D".

NOTE:


1. FOR MULL SIZE AND QUANTITY OF ANCHORS REQUIRED SEE SHEET 5. FOR ANCHOR LOCATIONS SEE SHEET 3. QUANTITY OF ANCHORS FOR MULL-TO-CLIP IS THE SAME AS THE QUANTITY OF ANCHORS FROM CLIP-TO-OPENING.
2. REFERENCE TEST REPORT FTL-2902, 2903 AND 2975

IMPORTANT:

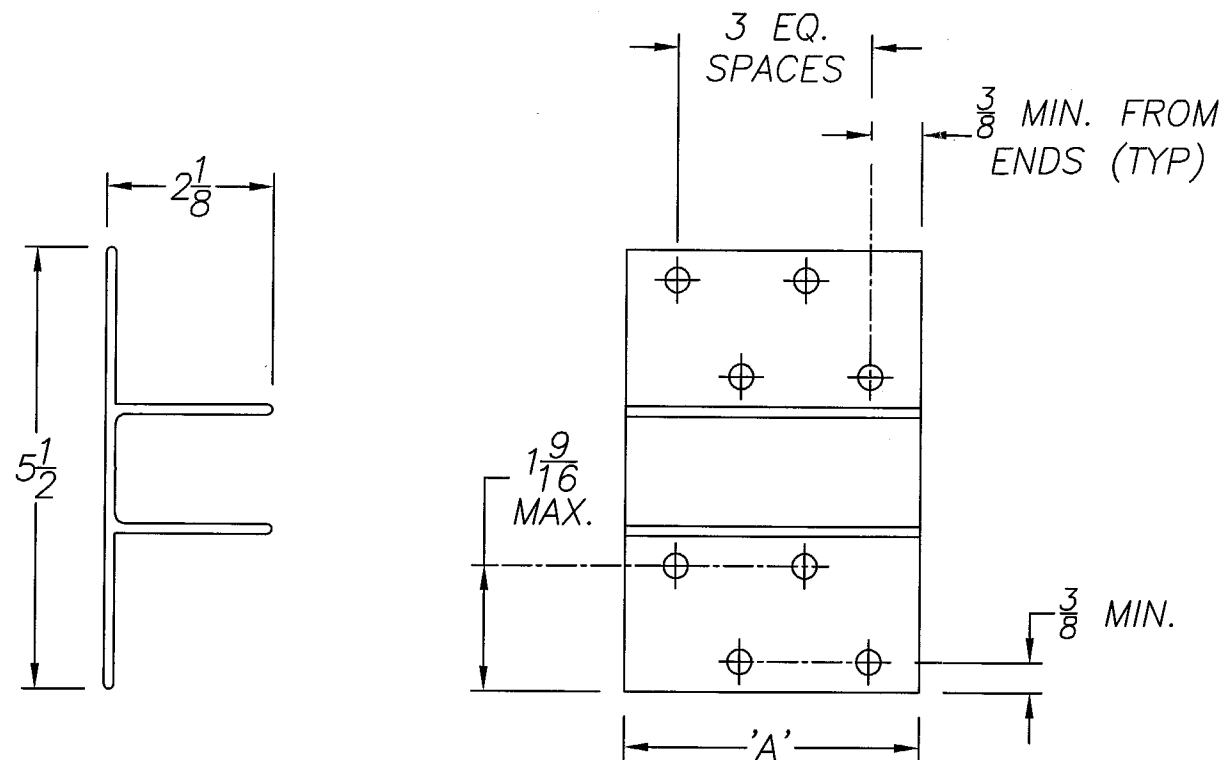
QUANTITY OF ANCHORS SHOWN ARE FOR A PICTORIAL REPRESENTATION ONLY. FOR CORRECT QUANTITY OF ANCHORS PLEASE REFER TO CHARTS AND FIND THE CORRECT MULL SIZE AND PRESSURE REQ'D FOR YOUR SPECIFIC APPLICATION.

Robert L. Clark, P.E.
PE #39712
Structural

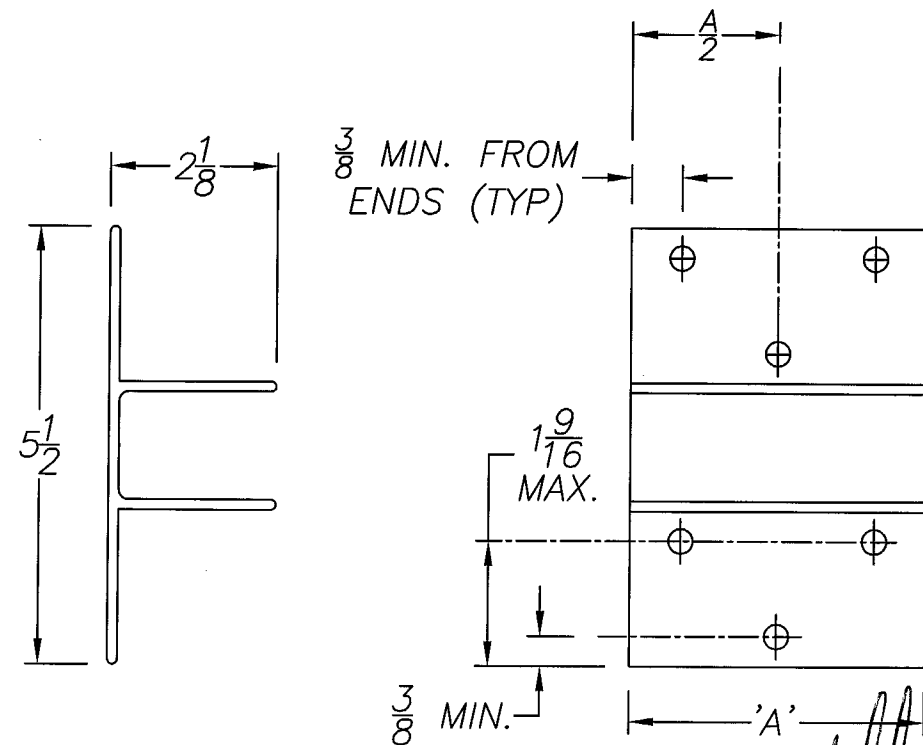
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 04-0528.06
Expiration Date June 28, 2006
By Manuel Perez
Miami Dade Product Control
Division

| | | | | | | | | | | |
|---|-----------|------------------------------------|----------|------------------------|------------------|--------------|------------------|---------------------|--|-----------|
| △ TO BE USED <u>ONLY</u> WITH PGT INDUSTRIES PRODUCTS | | | | | | | | | | |
|  | Revsd By: | Date: | Chkd By: | Date: | Revisions: | | | | | |
| | F.K. | 5/3/04 | | | A - ADD NOTATION | | | | | |
| | Drawn By: | P.J.P. | | Date: | 4/28/00 | | | | | |
| Description: 2" HEAVY WALL MULLION & CLIP INSTALLATION DETAIL | | | | | | | | | | |
| 1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 | | P.O. BOX 1529 NOKOMIS, FL 34274 | | Series/Model: MULLS | | Scale: 1x | Sheet: 2 of 5 | Drawing No. 6623 | | Rev: A |

IMPORTANT:
 QUANTITY OF
 ANCHORS SHOWN
 ARE FOR A PICTORIAL
 REPRESENTATION
 ONLY. FOR CORRECT
 QUANTITY OF
 ANCHORS PLEASE
 REFER TO CHARTS
 AND FIND THE
 CORRECT MULL SIZE
 AND PRESSURE
 REQ'D FOR YOUR
 SPECIFIC
 APPLICATION.

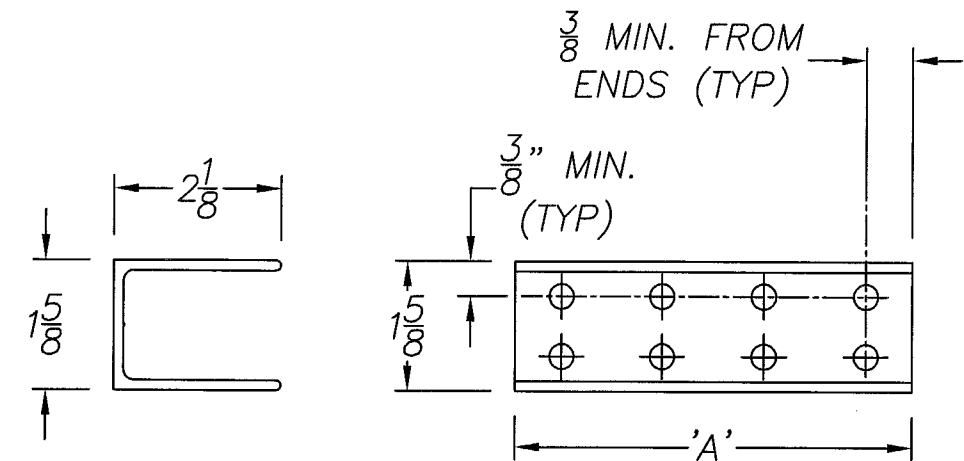


**2" MULL CLIP
 (8) ANCHOR LOCATIONS**
 EXTRUSION DWG # 513

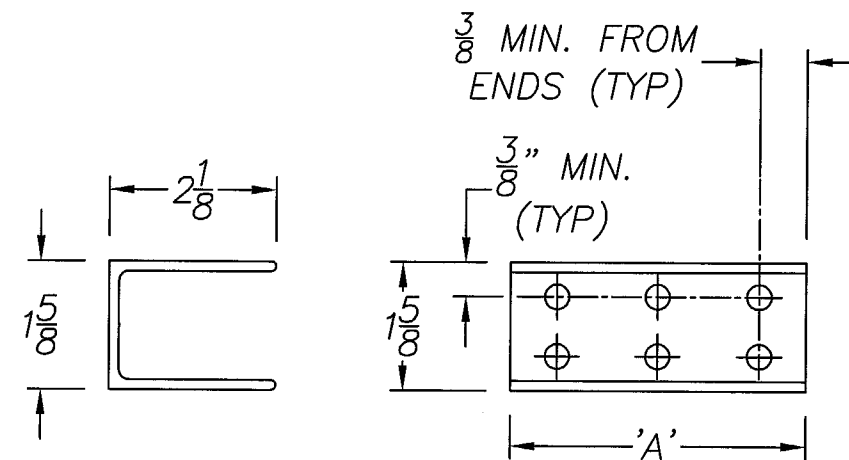


**2" MULL CLIP
 (6) ANCHOR LOCATIONS**
 EXTRUSION DWG # 513

Robert L. Clark, P.E.
 PE #39712
 Structural



**2" MULL CLIP W/TABS
 REMOVED (8) ANCHOR LOCATIONS**
 EXTRUSION DWG # 513

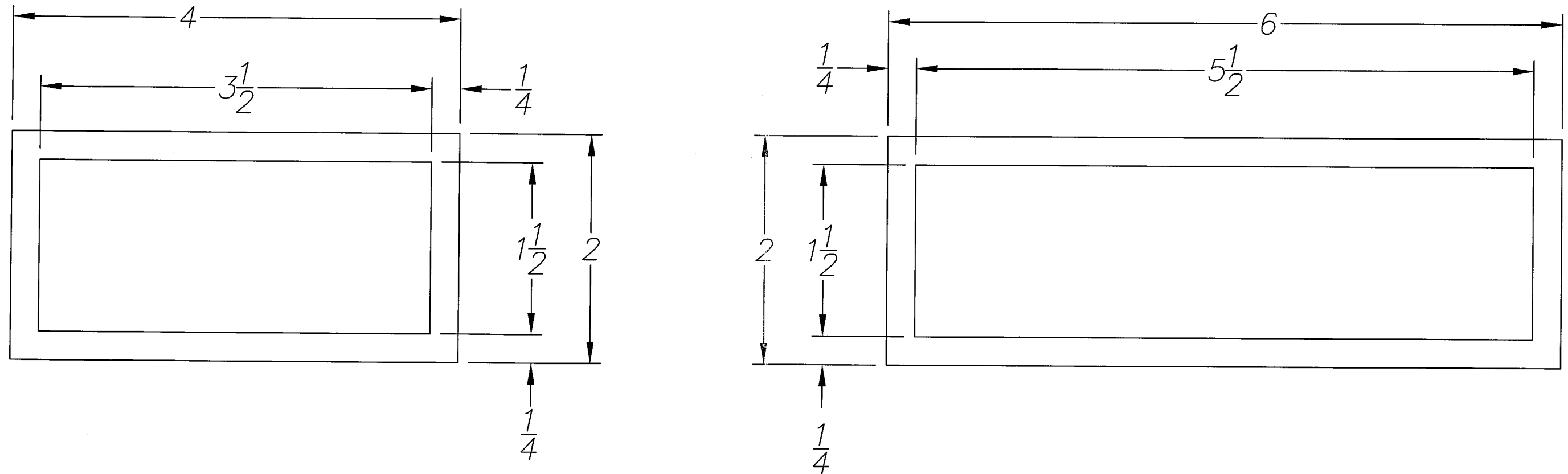


**2" MULL CLIP W/TABS
 REMOVED (6) ANCHOR LOCATIONS**
 EXTRUSION DWG # 513

PRODUCT REVISED
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 Miami Dade Product Control
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| CLIP LENGTH CHART FOR 2x MULL | |
|----------------------------------|--------|
| MULL SIZE | 'A' |
| 2 x 4 x 1/4 | 3 7/16 |
| 2 x 6 x 1/4 | 5 7/16 |
| | |
| | |
| | |
| | |

| | | | | | | | | | |
|---|-----------------|------------------------------------|-------|--------------------------------|--------------|------------------|---------------------|-----------|--|
| PGT INDUSTRIES | | | | | | | | | |
| TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS | | | | | | | | | |
| Revsd By: F.K. | Date: 5/3/04 | Chkd By: | Date: | Revisions: A - ADD NOTATION | | | | | |
| Drawn By: P.J.P. | | Date: 4/28/01 | | | | | | | |
| Description: ANCHOR LOCATIONS | | | | | | | | | |
| Title: 2" HEAVY WALL MULLION | | | | | | | | | |
| 1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 | | P.O. BOX 1529 NOKOMIS, FL 34274 | | Series/Model: MULLS | Scale: 1x | Sheet: 3 of 5 | Drawing No. 6623 | Rev: A | |



2x HEAVY WALL MULLS

MAT'L: 6063-T6

PRODUCT REVISED
as complying with the Florida
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By Mmanuel Perez
Miami Dade Product Control
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Robert L. Clark
7/30/04
Robert L. Clark, P.E.
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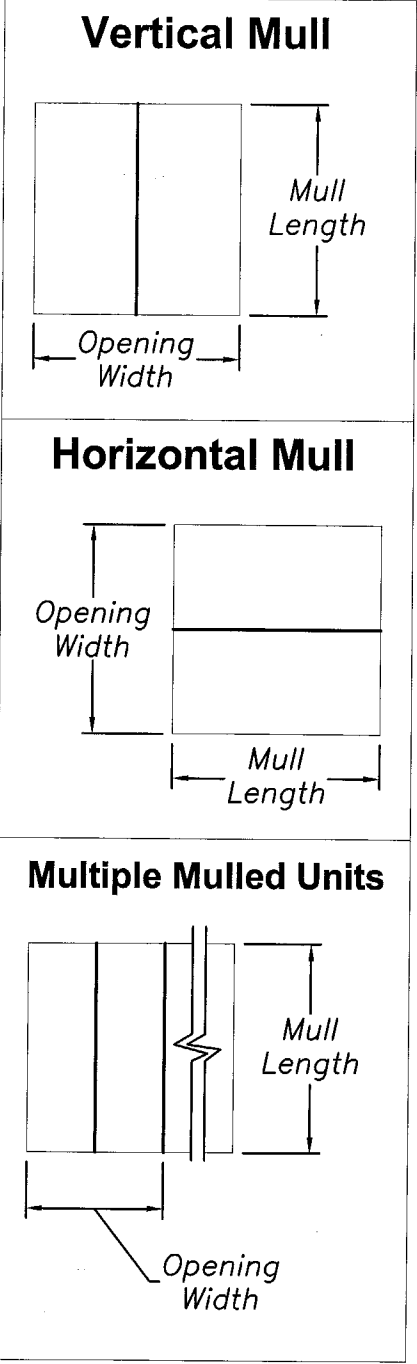
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|--|--|------------------------------------|--|--|--|--------------|--|------------------|--|---------------------|--|-----------|--|
| <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> </div> <div> TO BE USED <u>ONLY</u> WITH PGT INDUSTRIES PRODUCTS </div> </div> | | | | | | | | | | | | | |
| Revsd By: F.K. Drawn By: P.J.P. | | Date: 5/3/04 Date: 5/22/00 | | Chkd By: Date: Revisions: A - ADD NOTATION | | | | | | | | | |
| Description: 2" HEAVY WALL MULLION PROFILES | | | | | | | | | | | | | |
| 1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 | | P.O. BOX 1529 NOKOMIS, FL 34274 | | Series/Model: MULLS | | Scale: 1x | | Sheet: 4 of 5 | | Drawing No. 6623 | | Rev: A | |

| 2x4x1/4 | | OPENING WIDTH IN INCHES | | | | | | | | | |
|-----------------------|--------|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 6 Anchors | | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 160 |
| MULL LENGTH IN INCHES | 42 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 |
| | 48 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 |
| | 50.625 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 |
| | 54 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 |
| | 60 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 |
| | 63 | 170 | 170 | 170 | 170 | 170 | 166 | 162 | 160 | 159 | 159 |
| | 66 | 170 | 170 | 170 | 170 | 170 | 154 | 149 | 146 | 145 | 145 |
| | 72 | 170 | 170 | 166 | 152 | 142 | 135 | 129 | 125 | 123 | 122 |
| | 76 | 170 | 170 | 154 | 141 | 131 | 124 | 119 | 115 | 112 | 109 |
| | 78 | 170 | 167 | 149 | 136 | 127 | 119 | 114 | 110 | 107 | 104 |
| | 84 | 177 | 153 | 136 | 124 | 114 | 107 | 102 | 98 | 94 | 90 |
| | 90 | 163 | 141 | 125 | 113 | 104 | 97 | 92 | 88 | 85 | 79 |
| | 96 | 151 | 129 | 112 | 100 | 91 | 83 | 78 | 73 | 69 | 63 |
| | 108 | 107 | 90 | 78 | 69 | 62 | 57 | 53 | 49 | 47 | 41 |
| | 111 | 98 | 83 | 72 | 63 | 57 | 52 | 48 | 45 | 43 | 37 |
| | 144 | 45 | 37 | 32 | 28 | 26 | 23 | 21 | 20 | 18 | 16 |

| 2x6x1/4 | | OPENING WIDTH IN INCHES | | | | | | | | | |
|-----------------------|--------|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 6/8 Anchors | | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 160 |
| MULL LENGTH IN INCHES | 42 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 |
| | 48 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 |
| | 50.625 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 |
| | 54 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 |
| | 60 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 |
| | 63 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 |
| | 66 | 170 | 170 | 170 | 170 | 170 | 170 | 168 | 170 | 162 | 170 |
| | 72 | 170 | 170 | 170 | 170 | 165 | 170 | 154 | 170 | 146 | 170 |
| | 76 | 170 | 170 | 170 | 168 | 170 | 154 | 170 | 143 | 170 | 135 |
| | 78 | 170 | 170 | 170 | 162 | 170 | 148 | 170 | 138 | 170 | 130 |
| | 84 | 170 | 170 | 166 | 170 | 148 | 170 | 134 | 170 | 124 | 166 |
| | 90 | 170 | 170 | 153 | 170 | 136 | 170 | 123 | 164 | 113 | 151 |
| | 96 | 165 | 170 | 142 | 170 | 125 | 167 | 113 | 151 | 104 | 139 |
| | 108 | 144 | 170 | 123 | 163 | 109 | 141 | 98 | 125 | 89 | 112 |
| | 111 | 140 | 170 | 119 | 154 | 105 | 133 | 94 | 118 | 86 | 106 |
| | 144 | 105 | 108 | 89 | 90 | 78 | 78 | 69 | 69 | 61 | 61 |

- NOTES:
1. MAXIMUM ALLOWABLE PRESSURE IN PSF.
 2. DESIGN IS BASED ON OPENING WIDTH. FOR MULTIPLE UNITS, CONSIDER ONLY TWO ADJACENT UNITS AT A TIME. SEE SHEET 1.
 3. REFERENCE TEST REPORT FTL-2902, 2903 AND 2975

Robert L. Clark
7/30/04
Robert L. Clark, P.E.
PE #39712
Structural



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as complying with the Florida
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Acceptance No. 04-0528.06
Expiration Date June 28, 2006
By *Manuel Perez*
Miami/Dade Product Control
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| TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS | | | | | | | | | |
|--|--------------|--------|------------------------------------|-------|------------------|---------------|--------|--------|-------------|
| | Revsd By: | Date: | Chkd By: | Date: | Revisions: | | | | |
| | F.K. | 5/3/04 | | | A - ADD NOTATION | | | | |
| | Drawn By: | P.J.P. | | | Date: | 4/28/00 | | | |
| | Description: | | | | | | | | |
| PRESSURE CHARTS | | | | | | | | | |
| Title: | | | | | | | | | |
| 2" HEAVY WALL MULLION PRESSURE CHARTS | | | | | | | | | |
| 1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 | | | P.O. BOX 1529 NOKOMIS, FL 34274 | | | Series/Model: | Scale: | Sheet: | Drawing No. |
| | | | | | | MULLS | NTS | 5 of 5 | 6623 |
| | | | | | | | | | Rev: |
| | | | | | | | | | A |